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Saad Mneimneh, Kai-Yeung Siu

 October 2003 **IEEE/ACM Transactions on Networking (TON)**, Volume 11 Issue 5

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We establish some lower bounds on the speedup required to achieve throughput for some classes of switching algorithms in an input-queued switch with virtual output queues (VOQs). We use a weak notion of throughput, which will only strengthen the results, since an algorithm that cannot achieve weak throughput cannot achieve stronger notions of throughput. We focus on priority switching algorithms, i.e., algorithms that assign priorities to VOQs and forward packets of high priority first. We show a ...

Keywords: lower bounds, priority switching algorithms, speedup, throughput

2 [Packet network simulation: speedup and accuracy versus timing granularity](#)

Jong Suk Ahn, Peter B. Danzig

 October 1996 **IEEE/ACM Transactions on Networking (TON)**, Volume 4 Issue 5

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<u>L28</u>	prioritize adj switching near data adj frame	0	<u>L28</u>
<u>L27</u>	L26 and integrated near switch	1	<u>L27</u>
<u>L26</u>	Bahadir and Erimli.in.	40	<u>L26</u>
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<u>L24</u>	integrated adj network switch	38	<u>L24</u>
<u>L23</u>	integrated adj network adj switch and (prioritizing adj switching) and user adj selected	0	<u>L23</u>
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<u>L20</u>	l1 and switch near priority	0	<u>L20</u>
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<u>L14</u>	L1 and prioritizing near switching	0	<u>L14</u>
<u>L13</u>	L1 and subscriber near selected	0	<u>L13</u>
<u>L12</u>	L1 and subscriber near selects	0	<u>L12</u>
<u>L11</u>	L1 and user near select	0	<u>L11</u>
<u>L10</u>	L1 and user near selected	2	<u>L10</u>
<u>L9</u>	L3 and priority and switching	1	<u>L9</u>
<u>L8</u>	prioritizing near switching near data adj frame	0	<u>L8</u>
<u>L7</u>	L6 and user-selected	0	<u>L7</u>
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<u>L5</u>	L3 and priority adj switching	0	<u>L5</u>
<u>L4</u>	L3 and prioritizing	0	<u>L4</u>
<u>L3</u>	L2 and data adj frame	2	<u>L3</u>
<u>L2</u>	L1 and user-selected	2	<u>L2</u>
<u>L1</u>	integrated adj network adj switch	34	<u>L1</u>

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